

PENDING CLAIMS AS AMENDED

Please amend the claims as follows:

1. (Currently Amended) A mobile station, comprising at least one processor configured to
~~An apparatus for a soft handoff, comprising:~~

~~a plurality of base station transceivers; and~~

~~a mobile station configured to:~~

measure ~~power~~ powers of signals transmitted from a ~~by said~~ plurality of base station transceivers;

identify each base station transceiver whose measured signal power is greater than a threshold;

place indicators of said identified base station transceivers to a first set;

transmit the indicators;

use the indicators in the ~~active~~ first set to search for ~~[[the]]~~ a direction message; and

establish a traffic channel to at least one of the identified base station transceivers not in communication with the mobile station via a traffic channel.

2. (Currently Amended) The mobile station apparatus of claim 1, wherein the at least one processor is further ~~mobile station places indicators of said identified base station transceivers to a first set by being~~ configured to:

determine indicators of said identified base station transceivers not included in the first set; and

place the determined indicators to the first set.

3. (Currently Amended) The mobile station apparatus of claim 1, wherein the at least one processor is further ~~mobile station transmits the indicators by being~~ configured to:

transmit the indicators ~~[[from]]~~ in the first set.

4. (Currently Amended) The mobile station apparatus of claim 1, wherein the at least one processor is further mobile station transmits the indicators by being configured to:

determine indicators of said identified base station transceivers not included in the first set; and

transmit the determined indicators.

5. (Canceled)

6. (Currently Amended) The mobile station apparatus of claim 1, wherein the at least one processor said mobile station is further configured to:

receive [[a]] the direction message.

7. (Currently Amended) The mobile station apparatus of claim 6, wherein the direction message comprises an identification of at least one neighboring base station transceiver.

8. (Currently Amended) The mobile station apparatus of claim 6, wherein the at least one processor said mobile station is further configured to:

adjust the indicators in the first set in accordance with the direction message.

9-11. (Canceled)

12. (Currently Amended) ~~In a communication system consisting of a plurality of base station transceivers transmitting signals on at least two channels and at least one mobile station capable of receiving the channels~~ a A method for [[a]] soft handoff, comprising:

measuring a signal strength for each of ~~received~~ a plurality of first channels received from a plurality of base station transceivers at a mobile station;

identifying the first channels whose measured signal ~~power is~~ powers are greater than a threshold at the mobile station;

placing indicators of said identified first channels to a first set at the mobile station; and

searching for a direction message using the indicators contained in the first set.

13. (Currently Amended) The method ~~as claimed in~~ of claim 12, wherein said placing indicators of said identified first channels to a first set~~[[,]]~~ comprises:

determining indicators of said identified first channels not included in the first set; and
placing said determined indicators to the first set.

14. (Canceled)

15. (Currently Amended) The method of claim 12, further comprising receiving ~~[[a]]~~ the direction message at the mobile station.

16. (Currently Amended) The method of claim 15, further comprising:
adjusting the indicators ~~[[of]]~~ in the first set in accordance with the direction message.

17. (Currently Amended) The method of claim 12, further comprising:
transmitting the indicators from the mobile station.

18. (Currently Amended) The method of claim 17, wherein said transmitting the indicators comprises:
transmitting the indicators placed to the first set.

19. (Currently Amended) The method of claim 17, wherein said transmitting the indicators comprises:
determining indicators of said identified first channels not included in the first set; and
transmitting said determined indicators.

20. (Currently Amended) ~~In a communication system consisting of a plurality of base station transceivers transmitting signals on at least two channels and at least one mobile station capable of receiving the channels an apparatus for a soft handoff, comprising~~ A mobile station, comprising at least one processor configured to:

~~a mobile station configured to:~~

measure a signal strength for each of ~~received~~ a plurality of first channels received from a plurality of base station transceivers;

identifying the first channels whose measured signal ~~power is~~ powers are greater than a threshold;

~~placing~~ place indicators of said identified first channels to a first set, and

search for a direction message using the indicators contained in the first set.

21. (Currently Amended) The mobile station ~~apparatus as claimed in~~ claim 20, wherein the at least one processor is further ~~said mobile station places indicators of said identified first channels to a first set by being configured to:~~

determine indicators of said identified first channels not included in the first set; and
place said determined indicators to the first set.

22. (Canceled)

23. (Currently Amended) The mobile station ~~apparatus~~ of claim 20, wherein the at least one processor ~~said mobile station~~ is further configured to:

receive ~~[[a]]~~ the direction message.

24. (Currently Amended) The mobile station ~~apparatus~~ of claim 23, wherein the at least one processor ~~said mobile station~~ is further configured to:

adjust the indicators in the first set in accordance with the direction message.

25. (Currently Amended) The mobile station ~~apparatus~~ of claim 20, wherein the at least one processor ~~said mobile station~~ is further configured to:

transmit the indicators.

26. (Currently Amended) The mobile station ~~apparatus~~ of claim 20, wherein the at least one processor ~~said mobile station~~ is further configured to:

transmit the indicators placed to the first set.

27. (Currently Amended) The mobile station apparatus of claim 20, wherein the at least one processor ~~said mobile station~~ is further configured to:

determine indicators of the identified first channels not included in the first set; and
transmit the determined indicators.

28. (New) The mobile station of claim 20, further comprising a memory embodying instructions executable by the at least one processor.

29. (New) The mobile station of claim 1, further comprising a memory embodying instructions executable by the at least one processor.

30. (New) An apparatus adapted for wires communications, comprising:
means for measuring powers of signals transmitted from a plurality of base station transceivers;
means for identifying each base station transceiver whose measured signal power is greater than a threshold;
means for placing indicators of said identified base station transceivers to a first set;
means for transmitting the indicators;
means for using the indicators in the first set to search for a direction message; and
means for establishing a traffic channel to at least one of the identified base station transceivers not in communication with the mobile station via a traffic channel.

31. (New) An apparatus adapted for wires communications, comprising:
means for measuring a signal strength for each of a plurality of first channels received from a plurality of base station transceivers;
means for identifying the first channels whose measured signal powers are greater than a threshold;
means for placing indicators of said identified first channels to a first set; and

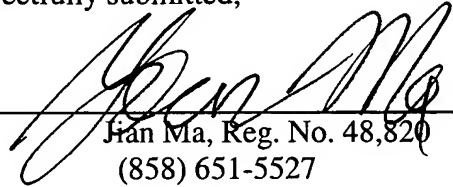
means for searching for a direction message using the indicators in the first set.

REQUEST FOR ALLOWANCE

In view of the foregoing, Applicants submit that all pending claims in the application are patentable. Accordingly, reconsideration and allowance of this application are earnestly solicited. Should any issues remain unresolved, the Examiner is encouraged to telephone the undersigned at the number provided below.

Respectfully submitted,

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